

**2010****M.Sc.****3rd Semester Examination****MICROBIOLOGY****PAPER—XVIII****(PRACTICAL)***Full Marks : 50**Time : 10 Hours*

*The figures in the right-hand margin indicate full marks.*

*Candidates are required to give their answers in their own words as far as practicable.*

**Group—A***Answer all questions.*

1. Isolate at least two VAM spore from given soil sample (A). 8

*Or*

Determine infection efficiency of a mycorrhizae in the given root sample (B).

2. Estimate amount of IAA present in the given microbial sample (C). 8
3. Laboratory Note Book. 2
4. Viva-voce. 2
5. Internal assessment. 5

*(Turn Over)*

**Group—B**Answer *all* questions.

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|---|-----|
| 6. Identify the specimens (D, E & F) with characters.         | 3×2 |
| 7. Determine the stomatal frequency of given leaf sample (G). | 6   |
| 8. Submission of pathological sheets.                         | 4   |
| 9. Laboratory Note Book.                                      | 2   |
| 10. Viva-voce.  | 2   |
| 11. Internal assessment.                                      | 5   |
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